

Form PTO-1449
REV. 7-84

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

LIST OF PRIOR ART CITED BY APPLICANT
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APPLICANT

Johr et al

FILING DATE

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
HP	AA	3373857	12/1994	Woodham et al.	356	328	
HP	AB	5666201	9/1997	Johr et al.	356	369	
	AC	5521706	5/1996	Green et al.	356	369	
	AD	5504582	4/1996	Johr et al.	356	369	
	AE	5757494	5/1998	Green et al.	356	369	
	AF	5956145	9/1999	Green et al.	356	364	
	AG	5706212	1/1998	Thompson et al.	356	525	
	AH	R 834783	11/1994	Coater	250	372	
	AI	4373817	2/1983	Coater	356	384	
	AJ	5045704	9/1991	Coater	250	372	
HP	AK	4647207	3/1987	Björk et al.	356	369	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM			<i>None</i>				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR							
	AS			<i>None</i>				

EXAMINER

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FORM PTO-1449 REV. 1-78	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATT. DOCKET NO.	SERIAL NO.
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	CLASS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
HP	AA	4210410	7/1980	Batten	356	369	
A	AB	4332476	6/1982	Stenbers et al	386	369	
	AC	4355903	10/1982	Sundercock	356	632	
	AD	4838695	6/1989	Mansurpur et al.	356	369	
	AE	4750822	6/1988	Rosenzweig et al.	356	445	
	AF	5596406	1/1997	Rosenzweig et al.	356	327	
	AG	5042951	8/1991	Gold et al.	356	369	
	AH	2700918	2/1953	Osterberg et al.	—	—	
	AI	3183763	5/1965	Hoelter	—	—	
U	AJ	5963327	10/1999	He et al.	356	369	
HP	AK	5872630	2/1999	Johr et al.	356	369	

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AL			None				
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OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER <u>HR</u>	DATE CONSIDERED <u>4/22/06</u>
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Form PTO-1449
REV. 7-98

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Joh, et al.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>HP</i>	AA	4 0 5 3 2 3 2	10/1997	Dill et al	356	118	
	AB	5 9 4 6 0 9 8	8/1999	Johs et al.	356	364	
	AC	5 9 6 3 3 2 5	10/1999	Joh, et al.	356	364	
	AD	6 0 8 4 6 7 4	7/2000	Joh, et al.	356	364	
	AE	6 0 8 4 6 7 5	7/2000	Hersinger et al.	356	364	
	AF	6 1 0 0 9 8 1	8/2000	Johs et al.	356	364	
	AG	6 1 1 8 5 3 7	9/2000	Joh, et al.	356	369	
	AH	6 1 4 1 1 0 2	10/2000	Joh, et al.	356	364	
	AI	4 5 5 6 2 4 2	12/1985	McKay, et al.	350	394	
	AJ	5 4 7 5 5 2 5	12/1995	Tournier et al.	359	245	
<i>HP</i>	AK	4 8 2 6 3 2 1	5/1989	Coye et al.	356	351	

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AL						
	AM			<i>none</i>			

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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	AS	<i>none</i>

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<u>AB</u>	AA	4105338	8/1978	Muroha	358	118	
<u>1</u>	AB	3992104	11/1976	Watanabe	358	117	
	AC	5329357	7/1994	Bernard et al.	358	369	
	AD	6268917	7/2001	Joh,	358	369	
	AE	5581350	12/1996	Chen et al.	358	369	
<u>1</u>	AF	5608526	3/1997	Pino-Wa-Corle et al.	358	369	
<u>AP</u>	AG	5596411	1/1997	Fantori et al.	358	369	
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	N
<u>AM</u>	<u>518728</u>		<u>Switzerland</u>				
AM							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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AS	<u>None</u>

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PLEASE USE THE FOLLOWING FOR PTO FORM 1449 FOR ARTICLES

HP Paper by Johs, titled "Regression Calibration Method for Rotating Element Ellipsometers", Thin Solid Films, 234 (1993).

Paper, by Gottesfeld et al., titled "Combined Ellipsometer and Reflectometer Measurements of Surface Processes on Nobel Metals Electrodes", Surface Sci., 56 (1976).

Paper by Smith, titled "An Automated Scanning Ellipsometer", Surface Science, Vol. 56, No. 1. (1976).

Papers, by Azzam and Azzam et al. are also identified as concerning alternative approaches to the goal of the present invention, and are titled:

"Multichannel Polarization State Detectors For Time-Resolved Ellipsometry", Thin Solid Film, 234 (1993); and

"Spectrophotopolarimeter Based On Multiple Reflections In A Coated Dielectric Slab", Thin Solid Films 313 (1998); and

"General Analysis And Optimization Of The Four-Detector Photopolarimeter", J. Opt. Soc. Am., A, Vol. 5, No. 5 (May 1988); and

"Accurate Calibration Of Four-Detector Photopolarimeter With Imperfect Polarization Optical Elements", J. Opt. Soc. Am., Vol. 6, No. 10, (Oct. 1989); and

AP "Review paper by Collins, titled "Automatic Rotating Element Ellipsometers: Calibration, Operation and Real-Time Applications", Rev. Sci. Instrum., 61(8) (1990), is identified for general information.

4/22/06